



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010526
CERTIFICATION DATE: November 6, 2013
DATE RECERTIFICATION DUE: May 5, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Melissa Kennedy

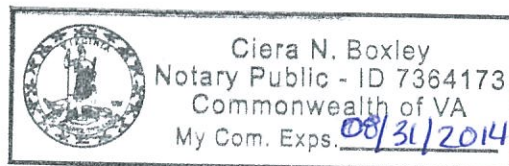
Program Manager, Calibration & Training

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 14th day of November, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014
TLW



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 11/8/2013

HMS
WJK

Instrument Serial Number: 010526	As of 08-Nov-13
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Maintenance Date	Certification Date	Technician Initials	Remarks
06-Nov-13	06-Nov-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
21-May-13	21-May-13	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
06-Dec-12	06-Dec-12	HMS (18910)	CERTIFIED
26-Oct-12	26-Oct-12	HMS (18910)	CERTIFIED
16-Oct-12	16-Oct-12	TLN (25387)	FIRMWARE/SOFTWARE UPGRADE. REPLACED O-RING. CALIBRATED AND CERTIFIED.
25-Jan-12	25-Jan-12	DBH (21250)	CERTIFIED
03-Aug-11	03-Aug-11	DBH (21250)	CERTIFIED
23-Feb-11	23-Feb-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
15-Sep-10	15-Sep-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
30-Mar-10	30-Mar-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
14-Oct-09	14-Oct-09	DBH (21250)	CERTIFIED.
07-May-09	07-May-09	DBH (21250)	CERTIFIED.
01-May-09	01-May-09	RJP (22428)	FIRMWARE/SOFTWARE UPGRADE. CERTIFIED.
06-Feb-09	06-Feb-09	HMS (18910)	CALIBRATED, CERTIFIED AND ACCEPTED.

INTOX EC/IR II

Quality Assurance Worksheet

ANS
Nash

Instrument Serial Number 010526 Worksheet Start Date 11/6/2013

Location Manassas Park Police Department

Address 329 Manassas Dr., Manassas Park, VA 20111

DFS Technician Heather Stanton License No. 18910

☐ Laboratory ☒ On-Site

Site Specifications

Yes No

1 Secured Environment:

Location must not be accessible to the general public.

☒ ☐

2 Environment free from contaminants

☒ ☐

3 Dedicated telephone line:

The phone line should be used solely by the instrument.

☒ ☐

4 Adequate Ventilation:

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

5 Stable temperature controls:

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

6 115VAC power source:

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒ ☐

7 Room Condition:

The site should be free of excessive moisture, heat and dust.

☒ ☐

Old serial no.	New serial no.	Supplies	
E-Seek		Mouthpieces	50
Keyboard		Certificates of Analysis	50
Printer		Operator Worksheet	
UPS		Other:	

Maintenance (if any)

Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010526

Certification Date 11/6/2013

Instrument Barometer (mm HG) 767

Reference Barometer (mm HG) 766

Reference Barometer(RB)Serial # 009113

RB Calibration Due 5/8/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.250
0.250	0.252	0.244	0.259	Sample 2	0.250
Precision		sample min	sample max	Sample 3	0.250
0		0.250	0.250		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.151
0.150	0.151	0.146	0.155	Sample 2	0.151
Precision		sample min	sample max	Sample 3	0.151
0		0.151	0.151		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.080
0.080	0.081	0.078	0.084	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0		0.080	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.020
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0.001		0.019	0.020		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☐ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG211702-13

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.101
0.100	0.101	0.097	0.104	Sample 2	0.101
Precision		sample min	sample max	Sample 3	0.101
0		0.101	0.101		

DFS Technician

Heath W. Stark

Date

11/8/13

Issuing Analyst

Melissa Kennedy

Date

11/12/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

DFS Document 250-F113

Revision 6

Page 2 of 2

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COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

lms
msk

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 11/06/2013
TEST EQUIPMENT NUMBER 010526		

RESULTS: TIME SAMPLE TAKEN 09:56 EST
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:
I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 06 Nov 2013 at 10:20

Handwritten signatures and initials in blue ink.

Test Results

Instrument Serial Number 010526

Test # 000858 Subject Test

Test Location 1 Department of
Test Date 06 Nov 2013

Test Location 2 Forensic Science
Test Time 09:49
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M
License Number 18910

Card Serial Number 118910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 06 Nov 2013 End Time 09:57

Result Time 09:56

Result Date 06 Nov 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 09:50

Data Type BLK

Sample Value 0.000

Sample Time 09:51

Data Type CHK

Sample Value 0.102

Sample Time 09:51

Data Type BLK

Sample Value 0.000

Sample Time 09:53

Data Type SUBJ

Sample Value 0.000

Sample Time 09:53

Data Type BLK

Sample Value 0.000

Sample Time 09:54

Data Type SUBJ

Sample Value 0.000

Sample Time 09:56

Data Type BLK

Sample Value 0.000

Sample Time 09:57

Standard Type Dry Gas Std

Standard Value 0.101

Standard Lot Number AG211702-13

Standard Expiration Date 04/26/2014

Tank Pressure 487

Barometric Pressure 767 mmHg

Blow Sample Number 1 Blow Duration 3.71 sec

Blow Volume 1751 cc End-of-Blow Time 09:53

Blow Sample Number 2 Blow Duration 3.77 sec

Blow Volume 1754 cc End-of-Blow Time 09:56

Tamper Evident Stamp 5c3cf9eb

Test Status Code 0

Test Status Success

LMS

WJH

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010526 Test Number: 859

Test Date: 11/06/2013 Test Time: 09:58 EST

Dry Gas Target: 0.101

Lot Number: AG211702-13 Exp Date: 04/26/2014

Tank Pressure: 482 psi Barometric Pressure: 767 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	09:59
CHK	0.102	09:59
BLK	0.000	10:01
CHK	0.102	10:02
BLK	0.000	10:03
CHK	0.102	10:04

Test Status: *Success*

Calibration CRC: 242BB048

hrs
WYK

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010526 Test Number: 860

Test Date: 11/06/2013 Test Time: 10:06 EST

Dry Gas Target: 0.303

Lot Number: AG322702-01 Exp Date: 08/15/2015

Tank Pressure: 311 psi Barometric Pressure: 767 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:07
CHK	0.304	10:08
BLK	0.000	10:09
CHK	0.304	10:10
BLK	0.000	10:12
CHK	0.303	10:12

Test Status: *Success*

Calibration CRC: 242BB048

hms

hsk

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010526

System Date: 11/06/2013

System Time: 10:35 EST

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

INS

will

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010526 Test Number: 861

Test Date: 11/06/2013 Test Time: 10:37 EST

Dry Gas Target: 0.101

Lot Number: 0651210013-06 Exp Date: 04/01/2014

Tank Pressure: 600 psi Barometric Pressure: 767 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:38
CAL	0.101	10:39

Test Status: *Success*

Calibration CRC: D78C6CD0

HMS
PWSK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010526 Test Number: 862
Test Date: 11/06/2013 Test Time: 10:41 EST

Technician Initials: HMS

Dry Gas Target: 0.252

Lot Number: 2961225012-08 Exp Date: 11/01/2014

Tank Pressure: 389 psi Barometric Pressure: 767 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:42
BLK	0.000	10:43
CHK	0.250	10:43
BLK	0.000	10:45
CHK	0.250	10:46
BLK	0.000	10:47
CHK	0.250	10:48
BLK	0.000	10:50

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS
not

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010526 Test Number: 863
Test Date: 11/06/2013 Test Time: 10:51 EST

Technician Initials: *HMS*

Dry Gas Target: 0.151

Lot Number: 2951215012-02 Exp Date: 11/01/2014

Tank Pressure: 982 psi Barometric Pressure: 767 mmHg
System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	10:52
BLK	0.000	10:52
CHK	0.151	10:53
BLK	0.000	10:55
CHK	0.151	10:55
BLK	0.000	10:57
CHK	0.151	10:58
BLK	0.000	10:59

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

HMS
WSK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010526 Test Number: 864
Test Date: 11/06/2013 Test Time: 11:01 EST

Technician Initials: HMS

Dry Gas Target: 0.081

Lot Number: 0771308012-04 Exp Date: 05/01/2015

Tank Pressure: 963 psi Barometric Pressure: 767 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:01
BLK	0.000	11:02
CHK	0.080	11:02
BLK	0.000	11:04
CHK	0.080	11:05
BLK	0.000	11:06
CHK	0.080	11:07
BLK	0.000	11:08

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS
msk

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010526 Test Number: 865
Test Date: 11/06/2013 Test Time: 11:10 EST

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 0651202011-03 Exp Date: 04/01/2014

Tank Pressure: 85 psi Barometric Pressure: 767 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:11
BLK	0.000	11:11
CHK	0.020	11:12
BLK	0.000	11:13
CHK	0.019	11:14
BLK	0.000	11:15
CHK	0.019	11:16
BLK	0.000	11:17

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

AMS

WDL

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010526 Test Number: 866

Test Date: 11/06/2013 Test Time: 11:20 EST

Dry Gas Target: 0.302

Lot Number: AG322702-01 Exp Date: 08/15/2015

Tank Pressure: 311 psi Barometric Pressure: 766 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:20
CHK	0.305	11:21
BLK	0.000	11:23
CHK	0.305	11:24
BLK	0.000	11:25
CHK	0.304	11:26

Test Status: *Success*

Calibration CRC: D78C6CD0

AMS

NSK

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010526 Test Number: 867

Test Date: 11/06/2013 Test Time: 11:29 EST

Dry Gas Target: 0.101

Lot Number: AG211702-13 Exp Date: 04/26/2014

Tank Pressure: 473 psi Barometric Pressure: 766 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:30
CHK	0.101	11:30
BLK	0.000	11:32
CHK	0.101	11:33
BLK	0.000	11:34
CHK	0.101	11:35

Test Status: *Success*

Calibration CRC: D78C6CD0




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

lms
nsk

NAME OF ACCUSED	NAME OF COURT
INSTRUMENT, TEST,	DFS

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY		AGENCY
STANTON, HEATHER, M		DFS Central Lab
DFS LICENSE NUMBER	LICENSE EXPIRES	DATE TEST CONDUCTED
18910	10/01/2014	11/06/2013
TEST EQUIPMENT NUMBER		
010526		

RESULTS: TIME SAMPLE TAKEN **11:43 EST**

SAMPLE'S ALCOHOL CONTENT **0.00** GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 07 Nov 2013 at 15:48

AMS
msk

Test Results

Instrument Serial Number 010526

Test # 000868 Subject Test

Test Location 1 Department of

Test Date 06 Nov 2013

Test Location 2 Forensic Science

Test Time 11:37

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name STANTON

Agency DFS Central Lab

Card Serial Number 118910

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

Operator's First Name HEATHER

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's First Name TEST

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Expiration 00/00/0000

Court Name DFS

End Date 06 Nov 2013

End Time 11:45

Result Time 11:43

Result Date 06 Nov 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 11:37

Data Type BLK

Sample Value 0.000

Sample Time 11:38

Data Type CHK

Sample Value 0.101

Sample Time 11:39

Data Type BLK

Sample Value 0.000

Sample Time 11:40

Data Type SUBJ

Sample Value 0.000

Sample Time 11:41

Data Type BLK

Sample Value 0.000

Sample Time 11:42

Data Type SUBJ

Sample Value 0.000

Sample Time 11:43

Data Type BLK

Sample Value 0.000

Sample Time 11:44

Standard Type Dry Gas Std

Standard Value 0.101

Standard Lot Number AG211702-13

Standard Expiration Date 04/26/2014

Tank Pressure 468

Barometric Pressure 766 mmHg

Blow Sample Number 1

Blow Duration 3.59 sec

Blow Volume 1766 cc

End-of-Blow Time 11:41

Blow Sample Number 2

Blow Duration 3.62 sec

Blow Volume 1719 cc

End-of-Blow Time 11:43

Tamper Evident Stamp 4430d139

Test Status Code 0

Test Status Success